FIIG T165
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FEDERAL ITEM IDENTIFICATION GUIDE

DEMOLITION MATERIALS

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Commander

Defense Logistics Information Service

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ACTIVATOR, ANTITANK MINE	20203	AA

A nonmetallic item designed to adapt a firing device to an antitank mine. It may be empty, inert filled, or explosive filled.

ADAPTER, SHOCK TUBE	50020	CC

A device designed to secure the shock tube to the ignitor for ignition of shock tube blasting caps. It includes a special primer and has a length of shock tube and splicing tube attached.

ARMING PLUG, ANTITANK MINE	20211	AA
BLACK POWDER	35181	FA

A low explosive consisting of a mixture of potassium or sodium nitrate, charcoal or bituminous coal, and sulfur.

BLASTING AGENT, LIQUID	36994	FA

A high explosive substance consisting of aluminum powder and sodium perchlorate solution which when mixed creates an explosion of predetermined size. May be pumped into underground pipes or cavities.

BODY, ANTIPERSONNEL MINE	20209	AA
CAP, ANTIPERSONNEL MINE	20210	AA

A metal item designed to close the opening of the tube which holds the projectile and spotting charge in an antipersonnel practice mine.

CAP, BLASTING	20452	EA

A small tube, usually copper or aluminum, closed at one end and loaded with a charge or charges of high explosives, at least one of which is capable of detonating from the spit or sparks from the safety fuse. Electric blasting caps are blasting caps provided with a means for firing by an electric current.

CAP, BLASTING, PRACTICE	30567	EA

A small tube, usually copper or aluminum, closed at one end, inert loaded or with a reduced charge, designed to simulate a service blasting cap.

Case

3. (Mechanical) A part designed to surround or inclose an item(s). It may provide mounting facilities for external and/or internal components. It may be either single or multiple piece construction. For items designed to support and align moving parts, see HOUSING (2) (as modified).

Approved Item Name	INC	App Key
CASE (3), DEMOLITION CHARGE	49630	BA

A case of various shapes and sizes designed to be filled with an explosive charge. It may concentrate the energy of the explosive in one direction.

CHARGE ASSEMBLY, DEMOLITION	20500	AA

A group of items including explosives, assembled in a haversack designed for use in beach reconnaissance and underwater demolition missions.

CHARGE ASSEMBLY, EXPULSION	32525	AA

A device containing an explosive charge which is initiated by a proximity or time fuze, for the purpose of expelling the payload of a projectile over target.

CHARGE ASSEMBLY, SHAPED	52397	AA

An assembly of components which includes a CHARGE, SHAPED and is used to produce a specific shattering or penetrating effect other than demolition. Excludes CHARGE ASSEMBLY, DEMOLITION.

CHARGE, DEMOLITION	20490	AA

An explosive load used to produce a general blasting effect. .

CHARGE, DEMOLITION, PRACTICE	20491	AA

A CHARGE, DEMOLITION designed to simulate the actual service item. It may contain some form of inert material and limited explosive charge, incendiary or smoke to indicate functioning.

CHARGE, MINE, EJECTION	31345	AA

A device designed to electrically initiate a propellant charge for ejection of mines from a canister tube.

CHARGE, SHAPED	37231	AA

An explosive load which is formed to produce a specific shattering or penetrating effect other than demolition. Excludes CHARGE, DEMOLITION.

CHARGE, SHOCK TEST	46432	AA

An explosive load which is formed to produce an aquatic wave motion to test the metallurgic strength of surface ship hulls.

CHARGE, SPOTTING	36186	AA

An ammunition component with explosive and/or pyrotechnic substances intended to produce sound, flash, or smoke effects. It is used in spotting and practices ammunition to show the location of its point of functioning or impact. Formally All Except USA.

Approved Item Name	INC	App Key
CORD ASSEMBLY, DETONATING	61966	CC

An item consisting of a definite length of detonating cord, having ends which are terminated with caps containing a quantity of explosive. The ends also incorporate a means to permit connection to another detonating cord assembly or item.

CORD, DETONATING	20450	CA

An item consisting of a flexible tube containing a core of explosive. The tube may be overwrapped with alternating layers of fibrous yarn or fiberglass and a flexible plastic material, or the tube may be covered with a fibrous overbraid and inclosed in another tube. It is designed for transmitting a confined detonation wave.

CUP, CHARGE	33836	AA

An item designed to be filled with an explosive for use as supplemental charges, boosters, delay elements, primers and the like.

DEMOLITION KIT, BANGALORE TORPEDO	20124	AA

A group of items consisting of a number of bangalore torpedoes with connecting sleeves and a nose sleeve to facilitate assembly of an explosive unit of varying length.

DEMOLITION KIT, BLASTING	20125	AA

A group of items consisting of demolition charges or components of an explosive or nonexplosive nature, which may include initiating and priming components, and accessories used in conjunction with the explosive charge(s). The explosive or nonexplosive components when combined or assembled on site and used with an initiating or priming charge can cause an explosion of predetermined size for a specific purpose.

DEMOLITION KIT, BLASTING, PRACTICE	67653	AA

An item designed to simulate the action of the full tactical item DEMOLITION KIT, BLASTING, but having a lower charge. It is designed for tactical practice purposes.

DEMOLITION KIT, BREACHING SYSTEM, ANTI-PERSONNEL OBSTACLE	66595	AA

A device designed for clearing a footpath through anti-personnel mines and wire entanglements. It is a two-man portable device normally employed by Combat Engineer(s), or dismounted Armored Cavalry personnel(s).

DEMOLITION KIT, BREACHING SYSTEM, ANTI-PERSONNEL OBSTACLE, PRACTICE	67560	AA

A DEMOLITION KIT, BREACHING SYSTEM, ANTI-PERSONNEL OBSTACLE (66595) designed to simulate the actual service item. It may contain some form of inert material and limited explosive charge incendiary or smoke to indicate functioning.

Approved Item Name	INC	App Key
DEMOLITION KIT, CRATERING	61527	AA

A group of items consisting of a rocket motor, a high explosive charge, and a shaped charge unit for assembly into a device which, when initiated, forms a crater of sufficient depth, diameter, wall slope, and bottom characteristics to insure an effective obstacle to track and wheeled vehicles.

DEMOLITION KIT, CRATERING, TRAINING	35018	AA

A group of inert items such as a rocket motor, charge, and a shaped charge unit for assembly into a device designed to simulate size and weight of a cratering charge for use in training personnel in assembling and placement.

DEMOLITION KIT, PROJECTED CHARGE	20126	AA

A group of items including demolition charges designed for assembly into a device to be positioned by an external force for clearing a path through a mine field.

DEMOLITION KIT, PROJECTED CHARGE, PRACTICE	23435	AA
DETONATOR, ELECTRIC	20651	CA

An item consisting of electrical leads and explosive elements designed to detonate an explosive charge.

DETONATOR, FLASH	60395	CA

An explosive device which is designed to initiate the detonation wave in an explosive train by the flash action of an initiator.

DETONATOR, FRICTION	20498	CA

An item consisting of a blasting cap, a fuze and a pull type fuze lighter for detonating an explosive charge.

DETONATOR, PERCUSSION	20493	CA

An item consisting of a blasting cap and explosive elements designed to detonate an explosive charge.

DETONATOR, PERCUSSION, PRACTICE #	36540	DA

A DETONATOR, PERCUSSION designed to simulate the actual service item. It may contain some form of inert material and limited explosive charge, incendiary or smoke to indicate functioning.

DETONATOR, STAB	20494	CA

An explosive device which is designed to initiate the detonation wave in an explosive train by the stabbing action of a PIN, FIRING.

DETONATOR, TEST, STAB	39573	CA

An item designed for the functioning test of PIN, FIRING.

Approved Item Name	INC	App Key
DUMMY CAP, BLASTING #	58682	EA
DUMMY CHARGE, DEMOLITION #	58683	AA
DUMMY CORD, DETONATING	*36348*	*CB*

An item having the appearance of and designed to represent a CORD, DETONATING, without having internal functional components.

DUMMY FIRING DEVICE, DEMOLITION #	58684	DA
DYNAMITE	18448	FA

A high explosive consisting of nitroglycerine and/or nitroglycol and/or ammonium nitrate and other materials with or without an inert base, packed in cylindrical paper cartridges or in bags. It is set off by a detonator and is used for general blasting purposes.

EXPLOSIVE, WATER GEL	66919	FA

Low density, non-aluminized small diameter water gels for underground and open work in boreholes. Also used for canine training purposes.

FIRING DEVICE, ANTIPERSONNEL MINE	60485	DA

An item specifically designed to detonate a mine.

FIRING DEVICE, DEMOLITION	20495	DA

An item designed to detonate a blasting cap(s) or a detonator by mechanical means such as a release of a spring propelled striker or firing pins or by electrical means such as dry cell battery, with related circuitry including test contacts and output leads.

GENERATOR, SINGLE PULSE	60547	DA

An electrical device designed to generate a single nonrecurring pulse of electrical energy. For items which generate a pulse on a recurring cycle, see GENERATOR, PULSE.

HIGH EXPLOSIVE MATERIAL	34519	FA

A high explosive substance, or mixture of substances, normally furnished in bulk, as flakes, granules, pellets, and the like, and capable of being cast or molded. May include a binder, plasticizer, or desensitizer. Excludes DYNAMITE and TRINITROTOLUENE.

IGNITER, SHOCK TUBE	50021	AA

A device that facilitates the ignition of shock tube blasting caps.

Approved Item Name	INC	App Key
IGNITER, TIME BLASTING FUSE	20454	AA

A device containing a firing mechanism and suitable ignition material for igniting a FUZE, BLASTING, TIME.

MUNITION, ATTACK, DEMOLITION	49539	AA

A small lethal lightweight item with one mode of destination initiated by a blasting cap. It has the capability to perforate rolled Homogenous Armor and is compatible with air, land, and sea operations.

MUNITION, SELECTABLE LIGHTWEIGHT ATTACK	49540	AA

A hand enplaced high explosive item with variable detonating methods for destroying vehicles, parked aircraft, ammunition, petroleum oil and lubricant cites (POL), and storage areas while avoiding direct contact with the enemy.

PROPELLANT GRAIN	20423	FA

A solid preformed item specifically designed to produce the required propulsion effect in nonairbreathing reaction propulsion devices. It consists of all of the ingredients necessary for sustained combustion. It may be a heterogeneous mixture of an oxidizing agent and a fuel, or it may be a chemical composition which provides its own oxidizer.

PROPELLANT POWDER	60863	FA

A low explosive of fine granulation which, through burning, produces gases at a controlled rate to provide the energy for propelling a projectile.

RECEIVER, MAGNETO-INDUCTIVE FIRING DEVICE	68251	DA

This item, upon receipt of a correct unique coded signal from a magneto-inductive transmitter, produces an explosive output capable of detonating either a supplied explosive lead filled with secondary explosive or a supplied blasting cap.

Simulator:

1. An item designed to produce, by synthetic conditions, phenomena likely to occur in the actual performance of an item. It may resemble the actual item in size and shape but does not perform any functions of the actual item. For training devices operated by students or used by instructors to present theory and principles, see TRAINER (as modified); TRAINING AID (as modified); and TRAINING SET (as modified).

SIMULATOR (1), ANTIPERSONNEL MINE	36748	AA

A pyrotechnic item designed to simulate the explosion of a MINE, ANTIPERSONNEL. Replicates the physical appearance of a MINE, ANTIPERSONNEL. Consists of mine body module and igniter module. The igniter module is pyrotechnic and when activated initiates the generation of a flash, bang and smoke effects.

Approved Item Name	INC	App Key
SIMULATOR (1), ANTIPERSONNEL MINE PROJECTILE	20208	AA

An item designed to hold a spotting charge. When the spotting charge is ignited, it causes the item to simulate the projectile of a bounding antipersonnel mine.

SIMULATOR (1), ANTITANK MINE	36747	AA

A pyrotechnic item designed to simulate the explosion of a MINE, ANTITANK. Replicates the physical appearance of MINE, ANTITANK. Consists of mine body module and igniter module. The igniter module is pyrotechnic and when activated, initiates the generation of a flash, bang and smoke effects.

SIMULATOR (1), ATOMIC EXPLOSION	61063	AA

A pyrotechnic item which upon initiation on the ground will, at a reduced scale, display the visual and auditory effects of a nuclear explosion, and serve as an indication to troops participating in field exercises that a nuclear device was exploded.

SIMULATOR(1), BACKBLAST	50022	AA

A pyrotechnic item that simulates the flash, smoke and sound of a recoilless rifle, close combat weapon system.

SIMULATOR (1), BLAST #	67401	AA

A pyrotechnic item that simulates the flash, smoke and sound of the firing of a weapon system.

SIMULATOR (1), DIRECT-INDIRECT FIRE CUE	52788	AA

A pyrotechnic item of the Multiple Integrated Laser Engagement System (MILES) 2000 used to indicate either a direct fire fill or indirect fire (artillery, mortars, mines) by producing a flash and green smoke signature for 1500 meters. It is loaded into the Direct-Indirect Fire Cue (DIFCUE) and electrically initiated by the MILES 2000.

SIMULATOR (1), EXPLOSIVE BOOBY TRAP	20303	AA

An item containing an explosive and/or pyrotechnic mixture(s) and means of ignition inclosed in a container. It is designed to indicate the tripping of a booby trap by the resultant detonation, noise, flame, or a combination thereof. It may include additional equipment for placement and activation of the item.

SIMULATOR (1), EXPLOSIVE DETONATION	32527	AA

A simulator containing an explosive and a fuze or an igniter. Detonation of the explosive charge produces a sound simulating the detonation of various types of ammunition and other explosive devices.

Approved Item Name	INC	App Key
SIMULATOR (1), FLASH, ARTILLERY	18278	AA

A pyrotechnic item designed to simulate the flash of artillery fire.

SIMULATOR (1), GUNFIRE	49733	AA

A pyrotechnic item designed to accurately simulate the sound of the firing of a specific type of gun.

SIMULATOR (1), HAND GRENADE	20548	AA

A pyrotechnic item designed to simulate the flash and sound of the detonation of a hand grenade.

SIMULATOR (1), LAUNCHING, ANTITANK GUIDED MISSILE AND ROCKET	35286	AA
SIMULATOR (1), MACHINE GUNFIRE	49734	AA

A pyrotechnic device designed to simulate the sound of a short burst of a machine gunfire.

SIMULATOR (1), MISSILE	47475	BA

A pyrotechnic device used during troop training exercises to simulate the flight of an antitank guided missile. Excludes SIMULATOR (1), LAUNCHING, ANTITANK GUIDED MISSILE AND ROCKET.

SIMULATOR (1), MORTAR FIRE	49735	AA

A pyrotechnic item designed to simulate the sound of mortar fire.

SIMULATOR (1), MULTI-TUBE WEAPON	67627	AA

A device that provides training and simulation for the horizontal and vertical weapons complement on board ships and submarines.

SIMULATOR (1), PROJECTILE AIR BURST, EXPLOSIVE	33189	AA

An item designed to simulate the explosion of a projectile in the atmosphere.

SIMULATOR (1), PROJECTILE AIR BURST, LIQUID	33188	AA

An item designed to produce an air burst of a simulant chemical agent and its consequent dissemination over the ground.

SIMULATOR (1), PROJECTILE GROUND BURST	20298	AA

An item designed to simulate the explosion of a projectile upon impact with the ground.

Approved Item Name	INC	App Key
SIMULATOR (1), RIFLE FIRE	49736	AA

A pyrotechnic device designed to simulate the sound of rifle fire.

SIMULATOR (1), TANK MAIN GUN	52787	AA

A pyrotechnic item of the Multiple Integrated Laser Engagement System (MILES) 2000 used to simulate the firing of the tank main gun by producing a flash, smoke and bang signature visible for 3000 meters. It is loaded into the Main Gun Signature Simulator (MGSS) and electrically initiated by the MILES 2000.

SIMULATOR (1), TARGET HIT	41359	AA

A pyrotechnic item designed to simulate the flash, sound, and shower of sparks of an anti-armor round of ammunition striking an armored vehicle.

SIMULATOR (1), TARGET KILL	41363	AA

A pyrotechnic item designed to simulate the burning of a tank having been hit by an anti-armor round of ammunition. It consists of a compressed smoke composition in a steel container initiated by an electric match, characterized by a cloud of black smoke.

WAD, POWDER	35389	FA

An item made of inert material such as plastic, felt, or fiberboard and utilized as a pad to secure the propellant powder in place around the primer. May be designed to occupy excess volume in a cartridge case or as a barrier between the propellant powder and the projectile.

APPLICABILITY KEY INDEX

	AA
NAME	X
ANGW	X
ANHA	X
ANHB	X
AJWK	X
AMWN	AR
ADNN	AR
ANHE	X
AFEW	AR
AJYJ #	AR
DDAC	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ANLQ	AR
ANNH	AR
ANQJ	AR
SUPP	AR
AGAV	AR
ZZZP	AR
GRWT	AR
CZKA	AR
EXWT	AR
QTSC	AR
SCQP	AR
HMCC	AR
HAZD	AR
WLBL	AR
SHPN	AR
DENN	AR
DTRC	AR
ZZZV	AR
CXCY	AR

	BA
NAME	X
AAFZ	X
ABPM	AR
ADAT	AR
ADAU	AR
ADAQ	AR
ANLP	AR
ANWX	X
ABKW	X
ANGW	X
AJYJ #	X
DDAC	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ANLQ	AR
ANNH	AR
ANQJ	AR
SUPP	AR
AGAV	AR
ZZZP	AR
GRWT	AR
CZKA	AR
EXWT	AR
QTSC	AR
SCQP	AR
HMCC	AR
HAZD	AR
WLBL	AR
SHPN	AR
DENN	AR
DTRC	AR
ZZZV	AR
CXCY	AR

	CA	CB	CC
NAME	X	X	X
ANHA	X	AR	X
AFPJ	X	X	X
ADZC	AR		AR
ANLR	X	X	X
ANLS	AR	AR	AR
ANLT	AR	AR	AR
ABMZ	AR	AR	AR
ABRY	X	X	X
AKRZ			X
AKHC	AR	AR	AR
AJYJ #	X	X	X
DDAC	X	X	X
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
ANLQ	AR	AR	AR
ANNH	AR	AR	AR
ANQJ	AR	AR	AR
SUPP	AR	AR	AR
AGAV	AR	AR	AR
ZZZP	AR	AR	AR
GRWT	AR	AR	AR
CZKA	AR	AR	AR
EXWT	AR	AR	AR
QTSC	AR	AR	AR
SCQP	AR	AR	AR
HMCC	AR	AR	AR
HAZD	AR	AR	AR
WLBL	AR	AR	AR
SHPN	AR	AR	AR
DENN	AR	AR	AR
DTRC	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR

	DA
NAME	X
AAFZ	X
ANMZ	X
ANNB	AR
ANND	AR
ANNE	X
ANNF	AR
AJYJ #	X
DDAC	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ANLQ	AR
ANNH	AR
ANQJ	AR
SUPP	AR
AGAV	AR
ZZZP	AR
GRWT	AR
CZKA	AR
EXWT	AR
QTSC	AR
SCQP	AR
HMCC	AR
HAZD	AR
WLBL	AR
SHPN	AR
DENN	AR
DTRC	AR
ZZZV	AR
CXCY	AR

	EA
NAME	X
AHVN	X
ANNJ	AR
AHZV	AR
ANQE	AR
ANQF	AR
ANQG	AR
ANQH	AR
AJYJ #	X
DDAC	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ANLQ	AR
ANNH	AR
ANQJ	AR
SUPP	AR
AGAV	AR
ZZZP	AR
GRWT	AR
CZKA	AR
EXWT	AR
QTSC	AR
SCQP	AR
HMCC	AR
HAZD	AR
WLBL	AR
SHPN	AR
DENN	AR
DTRC	AR
ZZZV	AR
CXCY	AR

	FA
NAME	X
ANHA	X
AGXW	X
ANQL	X
ANQM	AR
ANQN	AR
ANQP	X
ALQG	AR
ABMZ	AR
ABRY	AR
ANQQ	AR
ANQR	AR
ANQK	X
AJYJ #	X
DDAC	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ANLQ	AR
ANNH	AR
ANQJ	AR
SUPP	AR
AGAV	AR
ZZZP	AR
GRWT	AR
CZKA	AR
EXWT	AR
QTSC	AR
SCQP	AR
HMCC	AR
HAZD	AR
WLBL	AR
SHPN	AR
DENN	AR
DTRC	AR
ZZZV	AR
CXCY	AR

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code (e.g., NAMED20491*)

ALL

ANGW	D	CHARGE DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE CHARGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANGWDAG*; ANGWDAB$DAG*)

REPLY CODE	REPLY (AJ64)
AB	BLOCK
AC	CHAIN
AD	FLEXIBLE LINEAR
AE	RIGID LINEAR
AF	ROLL
AG	SHAPED

ALL

ANHA	D	FILLER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF THE FILLER MATERIAL.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ANHADBE*; ANHADBP$$DCE*)

ALL

ANHB	A	INCREMENT QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF INCREMENT(S) WHICH MAKE UP THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANHBA8*)

ALL

AJWK J WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJWKJPA75.000*; AJWKJKA34.0*; AJWKJPB9.000$$JPC10.000*)

Table 1

REPLY CODE	REPLY (AB16)
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AMWN A MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE ITEM.

Reply Instructions: Enter the number. (e.g., AMWNAM1*; AMWNAM58$AM58A1*)

ALL*

ADNN D CONTAINER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CONTAINER IS FABRICATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADNNDALA000*; ADNNDALA000$DCUA000*; ADNNDALA000$$DCUA000*)

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
CP0000	CARDBOARD
CPC000	CARDBOARD W/METAL ENDS
DF0000	CLOTH
CU0000	COPPER
FA0000	FABRIC
FB0000	FIBER
FBW000	FIBER, WATER-RESISTANT
FD0000	FIBERBOARD
PB0000	LEAD
PBJ000	LEAD ANTIMONY ALLOY
ME0000	METAL
PFK000	PAPER, KRAFT
PFY0000	PAPER, KRAFT, WATERPROOF
PC0000	PLASTIC
PCW000	PLASTIC, PHENOLIC
RC0000	RUBBER
ST0000	STEEL

ALL

ANHE D ACTIVATOR WELL

Definition: AN INDICATION OF WHETHER OR NOT AN ACTIVATOR WELL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANHEDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AFEW: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC ANHE.

ALL* (See Note Above)

AFEW D THREAD PROVISION

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER A PORTION(S) OF THE ITEM IS THREADED OR UNTHREADED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFEWDB*)

REPLY CODE	REPLY (AE00)
B	THREADED
C	UNTHREADED

ALL*

AJYJ # A PACKAGE MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE PACKAGE.

Reply Instructions: Enter the model number. (e.g., AJYJAM80*; AJYJAM50$$AM80*; AJYJAM50$AM80*)

ALL

DDAC A DOD AMMUNITION CODE

Definition: A NINE (9) CHARACTER SEMISIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSGs 13 AND 14.

Reply Instructions: Enter the code.

(e.g., DDACA1375-M405*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED20492*)

ALL

AAFZ	D	BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAFZDALA000*; AAFZDALA000$DCUA000*; AAFZDCUA000$$DSTA000*)

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
BR0000	BRASS
CU0000	COPPER
FD0000	FIBERBOARD
ME0000	METAL
PFK000	PAPER, KRAFT
PC0000	PLASTIC
RC0000	RUBBER
ST0000	STEEL
ZN0000	ZINC
ZNL000	ZINC ALLOY

NOTE FOR MRCS ABPM, ADAT, ADAU, ADAQ, AND ANLP: FOR ROUND ITEMS, REPLY TO MRCS ABPM AND ANLP. FOR OTHER THAN ROUND ITEMS, REPLY TO MRCS ADAT, ADAU, AND ADAQ.

ALL* (See Note Above)

ABPM	J	BODY DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BODY, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPMJAA3.000*; ABPMJLA76.2*; ABPMJAB2.750$$JAC3.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABPM)

ADAT J BODY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BODY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADATJAA3.000*; ADATJLA76.2*; ADATJAB2.750$$JAC3.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABPM)

ADAU J BODY HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE BODY, IN DISTINCTION FROM DEPTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAUJAA4.000*; ADAUJLA101.6*; ADAUJAB3.750$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABPM)

ADAQ J BODY LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BODY, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAQJAA4.000*; ADAQJLA101.6*; ADAQJAB3.750$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABPM)

ANLP J CONE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CONE, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANLPJAA3.000*; ANLPJLA76.2*; ANLPJAB2.750$$JAC3.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ANWX J APEX ANGLE IN DEG AND LOCATION

Definition: A MEASUREMENT OF THE APEX, EXPRESSED IN DEGREES, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANWXJAABF90.0*; ANWXJBABF87.0$$JCABF92.0*)

Table 1

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 2

REPLY CODE	REPLY (AJ91)
ABF	CONE
ABG	V-CHANNEL

ALL

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA10.000*; ABKWJLA254.0*; ABKWJAB9.750$$JAC10.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ANGW D CHARGE DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE CHARGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANGWDAG*; ANGWDAB$DAC*)

REPLY CODE	REPLY (AJ64)
AB	BLOCK
AC	CHAIN
AD	FLEXIBLE LINEAR
AE	RIGID LINEAR
AF	ROLL
AG	SHAPED

ALL

AJYJ # A PACKAGE MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE PACKAGE.

Reply Instructions: Enter the model number. (e.g., AJYJAM80*; AJYJAM50$$AM80*; AJYJAM50$AM80*)

APP Key	MRC	Mode Code	Requirements
ALL			
	DDAC	A	DOD AMMUNITION CODE

Definition: A NINE (9) CHARACTER SEMISIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSGs 13 AND 14.

Reply Instructions: Enter the code.

(e.g., DDACA1375-M302*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED20450*)

CA, CB*, CC			
	ANHA	D	FILLER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF THE FILLER MATERIAL.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ANHADBP*; ANHADBP$$DCS*)

ALL			
	AFPJ	D	EXTERIOR COVERING MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE EXTERIOR COVERING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFPJDALA000*; AFPJDALA000$DCUA000*)

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
BR0000	BRASS
CU0000	COPPER
FAW000	DOUBLE FABRIC W/BRONZE WIRE INTERWOVEN
FA0000	FABRIC
FAS000	FABRIC REINFORCED
FAT000	FABRIC W/WAX
PB0000	LEAD
ME0000	METAL
PFK000	PAPER, KRAFT
PC0000	PLASTIC
PCBH00	PLASTIC COATED
RC0000	RUBBER, HYDROCHLORIDE
ST0000	STEEL

APP Key	MRC	Mode Code	Requirements
		ZN0000	ZINC
		ZNL000	ZINC ALLOY

CA*, CC*

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ADZCDAQ*)

REPLY CODE	REPLY (AA65)
AQ	WATERPROOF

ALL

ANLR D CROSS-SECTIONAL SHAPE

Definition: THE GEOMETRIC CONFIGURATION OF THE ITEM WHEN VIEWED IN CROSS SECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANLRDCR*)

REPLY CODE	REPLY (AD07)
CR	CIRCULAR
DR	ELLIPSOIDAL

NOTE FOR MRCS ANLS, ANLT, AND ABMZ: IF REPLY CODE CR IS ENTERED FOR MRC ANLR, REPLY TO MRC ABMZ. IF REPLY CODE DR IS ENTERED FOR MRC ANLR, REPLY TO MRCS ANLS AND ANLT.

ALL* (See Note Above)

ANLS J CORE MINOR AXIS

Definition: A MEASUREMENT OF THE SMALLER OR NARROWER GIRTH OF THE CORE CENTER.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANLSJAA0.500*; ANLSJLA12.7*; ANLSJAB0.800$$JAC1.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ANLS)

ANLT J CORE MAJOR AXIS

Definition: A MEASUREMENT OF THE LARGER OR WIDER GIRTH OF THE CORE CENTER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANLTJAA1.150*; ANLTJLA29.2*; ANLTJAB1.000$$JAC1.100*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ANLS)

ABMZ J DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.750*; ABMZJLA19.1*; ABMZJAB0.675$$JAC0.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA3000.000*; ABRYJLA76200.0*; ABRYJAB1000.000$$JAC3000.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CC

APP Key	MRC	Mode Code	Requirements
	AKRZ	D	TERMINATION TYPE

Definition: INDICATES THE TYPE OF FACILITY PROVIDED ON THE DEVICE FOR ATTACHING TO ANOTHER ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKRZDCY*; AKRZDBW$$DDP*; AKRZDBW$DDP*)

REPLY CODE	REPLY (AE79)
DR	CONNECTOR EXTERNAL STRAIGHT
DP	CONNECTOR INTERNAL STRAIGHT
BW	MALE INSERT
CY	PLUG CONNECTOR

ALL*

	AKHC	D	WINDING DEVICE TYPE

Definition: INDICATES THE TYPE OF WINDING DEVICE ON WHICH THE ITEM IS WOUND.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKHCDAE*; AKHCDAD$DAE*)

REPLY CODE	REPLY (AG46)
AE	REEL
AD	SPOOL

ALL

	AJYJ #	A	PACKAGE MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE PACKAGE.

Reply Instructions: Enter the model number. (e.g., AJYJAM80*; AJYJAM50$$AM80*; AJYJAM50$AM80*)

ALL

	DDAC	A	DOD AMMUNITION CODE

APP Key	MRC	Mode Code	Requirements
			Definition: A NINE (9) CHARACTER SEMISIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSGs 13 AND 14.
			Reply Instructions: Enter the code.
			(e.g., DDACA1375-M200*)

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED20495*)

ALL

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAFZDALA000*; AAFZDALA000$DCUA000*; AAFZDFEA000$$PBA000*)

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
BR0000	BRASS
CU0000	COPPER
FD0000	FIBERBOARD
ME0000	METAL
PFK000	PAPER, KRAFT
PC0000	PLASTIC
RC0000	RUBBER
ST0000	STEEL
ZN0000	ZINC
ZNL000	ZINC ALLOY

ALL

ANMZ D ARMING CELL

Definition: AN INDICATION OF WHETHER OR NOT AN ARMING CELL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANMZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC ANNB: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC ANMZ.

ALL* (See Note Above)

ANNB A ARMING CELL MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE ARMING CELL.

Reply Instructions: Enter the number. (e.g., ANNBAMK 1 MOD 7*; ANNBAMK 1 MOD 7$AMK 1 MOD 8*)

ALL*

ANND G TIME DELAY

Definition: A MEASUREMENT OF ELAPSED TIME.

Reply Instructions: Enter the reply in clear text. (e.g., ANNDG1 HOUR, 10 MINUTES*)

ALL

ANNE D ACTIVATION METHOD

Definition: THE MEANS USED TO ACTIVATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANNEDAC*; ANNEDAC$DAD*; ANNEDAC$$DAE*)

REPLY CODE	REPLY (AJ85)
AB	CONCUSSION
AD	PRESSURE
AE	PRESSURE-RELEASE
AC	PULL
AF	TENSION-INCREASE
AG	TENSION-RELEASE

ALL*

ANNF A TRIP WIRE SPOOL QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF SPOOLS ON WHICH THE TRIP WIRE IS WOUND.

Reply Instructions: Enter the quantity. (e.g., ANNFA2*)

ALL

AJYJ # A PACKAGE MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE PACKAGE.

Reply Instructions: Enter the model number. (e.g., AJYJAM80*; AJYJAM50$$AM80*; AJYJAM50$AM80)

ALL

DDAC A DOD AMMUNITION CODE

Definition: A NINE (9) CHARACTER SEMISIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSG 13 AND 14.

Reply Instructions: Enter the code.

(e.g., DDACA1375-M514*)

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED20452*)

ALL

AHVN	D	DETONATION INITIATION METHOD

Definition: THE METHOD USED TO INITIATE DETONATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHVNDB*; AHVNDB$DD*)

REPLY CODE	REPLY (AF48)
B	ELECTRIC
D	SAFETY FUSE

ALL*

ANNJ	D	STRENGTH DESIGNATION

Definition: THE DESIGNATION REPRESENTING THE INTENSITY OR FORCE THE ITEM IS CAPABLE OF EXERTING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANNJDAB*; ANNJDAB$DAC*)

REPLY CODE	REPLY (AJ87)
AB	HIGH
AC	LOW
AD	NO. 6
AE	NO. 8
AF	SPECIAL

ALL*

AHZV	D	SUBMERSIBILITY

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT AN ITEM IS CAPABLE OF OPERATION WHILE SUBMERGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHZVDAB*)

REPLY CODE	REPLY (AG86)
AC	NONSUBMERSIBLE
AB	SUBMERSIBLE

ALL*

ANQE A DELAY PERIOD NUMBER

Definition: THE NUMBER OF THE DELAY PERIOD.

Reply Instructions: Enter the number. (e.g., ANQEA8*)

ALL*

ANQF J LEAD WIRE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE LEAD WIRE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANQFJFA6.000*; ANQFJMA1.8*; ANQFJFB4.000$$JFC5.000*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ANQG D LEAD WIRE MATERIAL

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE LEAD WIRE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANQGDCUA000*; ANQGDCUA000$DSTA000*)

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
CU0000	COPPER
CUG000	COPPER, TIN, ZINC

ALL*

ANQH D LEAD WIRE SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A LEAD WIRE SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANQHDENA000*; ANQHDCUA000$DZNA000*)

REPLY CODE	REPLY (AD09)
EN0000	ENAMEL
PC0000	PLASTIC
PCBH00	PLASTIC COATED
PCCCN0	PLASTIC, INSULATED
TDA000	TINNED

ALL

AJYJ # A PACKAGE MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE PACKAGE.

Reply Instructions: Enter the model number. (e.g., AJYJAM80*; AJYJAM50$$AM80*; AJYJAM50$AM80*)

ALL

APP Key	MRC	Mode Code	Requirements
	DDAC	A	DOD AMMUNITION CODE

Definition: A NINE (9) CHARACTER SEMISIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSG 13 AND 14.

Reply Instructions: Enter the code.

(e.g., DDACA1375-M150*)

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED18448*)

ALL

ANHA D FILLER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF THE FILLER MATERIAL.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ANHADBP*; ANHADCT$$DBP*; ANHADBP$DCW*)

ALL

AGXW D PHYSICAL FORM

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXWDGZ*; AGXWDBD$DHA*)

REPLY CODE	REPLY (AE98)
GZ	GELATIN
BD	GRANULAR
HA	SEMIGELATIN

ALL

ANQL B WEIGHT STRENGTH IN PERCENT

Definition: THE WEIGHT STRENGTH IN THE ITEM, EXPRESSED IN PERCENT.

Reply Instructions: Enter the numeric value. (e.g., ANQLB40.0*)

APP Key	MRC	Mode Code	Requirements

ALL*

ANQM B CARTRIDGE STRENGTH IN PERCENT

Definition: THE CARTRIDGE STRENGTH IN THE ITEM, EXPRESSED IN PERCENT.

Reply Instructions: Enter the numeric value. (e.g., ANQMB40.0*)

ALL*

ANQN D EXPLOSIVE CLASSIFICATION SPEED

Definition: AN INDICATION OF THE SPEED AT WHICH THE EXPLOSIVE IS CLASSIFIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANQNDAB*)

REPLY CODE	REPLY (AJ99)
AB	FAST PERMISSIBLE
AC	SLOW PERMISSIBLE

ALL

ANQP J DETONATION VELOCITY RATE

Definition: THE RATE OF VELOCITY OF THE DETONATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANQPJABA8000.0*; ANQPJAC2438.7*; ANQPJABB6000.0$$JABC7000.0*)

Table 1

REPLY CODE	REPLY (AK00)
AB	FEET PER SECOND
AC	METERS PER SECOND

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ALQG D CONTAINER TYPE

Definition: INDICATES THE TYPE OF CONTAINER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALQGDAS*)

REPLY CODE	REPLY (AF72)
AS	BAG
AT	CARTRIDGE

NOTE FOR MRCS ABMZ, ABRY, ANQQ, AND ANQR: REPLY TO THESE MRCS IF REPLY CODE AT IS ENTERED FOR MRC ALQG.

ALL* (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA2.000*; ABMZJLA50.8*; ABMZJAB2.000$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMZ)

ABRY J LENGTH

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA8.000*; ABRYJLA203.2*; ABRYJAB7.000$$JAC9.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMZ)

ANQQ A AVERAGE QUANTITY PER FIFTY POUNDS

Definition: AN INDICATION OF THE AVERAGE NUMBER COMPRISING A WEIGHT OF FIFTY POUNDS.

Reply Instructions: Enter the quantity. (e.g., ANQQA24*)

ALL* (See Note Preceding MRC ABMZ)

ANQR D PROTECTIVE COATING METHOD

Definition: THE MEANS TO PROTECT THE ITEM WITH A COATING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANQRDAD*; ANQRDAC$DAD*)

REPLY CODE	REPLY (AK01)
AB	PREWAXED
AC	REDIPPED
AD	SPRAYED

ALL

APP Key	MRC	Mode Code	Requirements
	ANQK	D	WATER RESISTANCE

Definition: AN INDICATION OF THE EXTENT TO WHICH THE ITEM CAN RESIST WATER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANQKDAC*; ANQKDAC$DAD*)

REPLY CODE	REPLY (AJ98)
AB	EXCELLENT
AC	FAIR
AD	GOOD
AE	LIMITED
AF	VERY GOOD

ALL

AJYJ # A PACKAGE MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE PACKAGE.

Reply Instructions: Enter the model number. (e.g., AJYJAM80*; AJYJAM50$$AM80*; AJYJAM50$AM80*)

ALL

DDAC A DOD AMMUNITION CODE

Definition: A NINE (9) CHARACTER SEMISIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSG 13 AND 14.

Reply Instructions: Enter the code.

(e.g., DDACA1375-M255*)

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD
ALL*			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	ANLQ	A	CONTAINER MODEL NUMBER
			Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE CONTAINER.
			Reply Instructions: Enter the number. (e.g., ANLQAMK2 MOD 0*; ANLQAMK2 MOD 0$AMK2 MOD 3*)
ALL			
	ANNH	A	FIRING DEVICE MODEL NUMBER
			Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE FIRING DEVICE.
			Reply Instructions: Enter the number. (e.g., ANNHAMK6 MOD 0*; ANNHAMK6 MOD 0$AMK6 MOD 2*)
ALL			
	ANQJ	A	BLASTING CAP MODEL NUMBER
			Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE BLASTING CAP.
			Reply Instructions: Enter the number. (e.g., ANQJAM6*; ANQJAM6$AM6A1*)
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
			Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.
			Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

APP Key	MRC	Mode Code	Requirements
ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81A37-30624A*)

ALL			
	GRWT	J	GROSS WEIGHT

Definition: THE COMBINED WEIGHT OF THE ITEM AND ITS LOADED CONTENTS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., GRWTJARAS2000.0*; GRWTJARAJ50.0*; GRWTJARAS2000.0$$JEBAS100.5*)

Table 1

REPLY CODE	REPLY (AD28)
AR	PALLET
EJ	PALLET DOMESTIC, US NAVY
EK	PALLET FLEET, US NAVY
ED	PALLET, US AIR FORCE
EE	PALLET, US ARMY
EF	PALLET, US MARINE CORPS
EB	SHIPPING CONTAINER

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AG67)
AJ	KILOGRAM
AS	POUNDS

ALL

CZKA J PACKAGE REFERENCE NUMBER

Definition: AN ALPHA-NUMERIC CODE IDENTIFYING THE DRAWING AND/OR SPECIFICATION WHICH CONTROLS THE LOADING OF THE PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying reference. (e.g., CZKAJAB12402361*; CZKAJABDL1354/4*; CZKAJAB23614012$$JAC134260*)

REPLY CODE	REPLY (AF94)
AB	US AIR FORCE
AC	US ARMY
AD	US MARINE CORPS
AE	US NAVY

ALL

EXWT J NET EXPLOSIVE WEIGHT

Definition: THE NET WEIGHT OF THE EXPLOSIVE CONTENT OF THE ITEM FOR TRANSPORTATION AND/OR STORAGE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., EXWTJBBRAS100.0*; EXWTJBBRAJ5.5*; EXWTJBBQAS500.0$$JBBRAS300.0*)

Table 1

REPLY CODE	REPLY (AH21)
BBQ	STORAGE
BBR	TRANSPORTATION

Table 2

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
AS	POUNDS

APP Key	MRC	Mode Code	Requirements

ALL

QTSC A QUANTITY PER SHIPPING CONTAINER

Definition: THE NUMBER OF ITEMS PER SHIPPING CONTAINER.

Reply Instructions: Enter the quantity. (e.g., QTSCA100*)

ALL

SCQP A SHIPPING CONTAINER QUANTITY PER PALLET

Definition: THE NUMBER OF SHIPPING CONTAINER(S) PER PALLET.

Reply Instructions: Enter the applicable Identified Secondary Address Code from Appendix C , Table 3, followed by the mode code and the number of shipping containers. (e.g. SCQP1BA30*; SCQP1BA30$$A40*)

ALL

HMCC J HAZARDOUS MATERIAL CLASSIFICATION CODE

Definition: AN ALPHA-NUMERIC CODE IDENTIFYING A GROUP OR CLASSIFICATION OF VARIOUS MATERIALS AS TO THEIR POTENTIAL TO CAUSE EXPLOSIONS, FIRE OR DAMAGE BY CHEMICAL ACTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the code. See Appendix C , Tables 4 thru 8 for clarification of the codes. (e.g., HMCCJAKF*; HMCCJAKI$$JAC1.4$$JAKG$$JAKS*)

REPLY CODE	REPLY (AP66)
AC	DEPARTMENT OF DEFENSE HAZARD CLASS DIVISION
AE	DEPARTMENT OF TRANSPORTATION EXEMPTION
AG	HAZARD SYMBOL
AH	INHABITED BUILDING DISTANCE
AJ	LOADING-STOWAGE
AK	STORAGE COMPATIBILITY GROUP

APP Key	MRC	Mode Code	Requirements

Appendix C Tables					
Reply Code	4	5	6	7	8
AC	X				
AE	No Applicable Table				
AG		X			
AH		X			
AJ		X			
AK		X			

ALL

HAZD A DOT HAZARD CLASS/DIVISION

Definition: A DESIGNATION OF THE HAZARD CLASS OR DIVISION CORRESPONDING TO EACH PROPER SHIPPING NAME FOR HAZARDOUS MATERIAL AS IDENTIFIED BY THE DEPARTMENT OF TRANSPORTATION (DOT) AND LISTED IN THE TITLE 49 CODE OF FEDERALA REGULATIONS (CFR), PART 172, HAZARDOUS MATERIALS TABLE.

Reply Instructions: Enter the applicable numeric or alpha-numeric hazard classification designator or division as identified in the DOT Title 49 CFR, Part 172, Section 173, Hazardous Materials Table 172.101 and referenced paragraphs. (e.g., HAZDA1.23*; HAZDA9*)

ALL

WLBL A DOT WARNING LABEL CODE

Definition: THE WARNING LABEL CODE ASSIGNED BY THE DEPARTMENT OF TRANSPORTATION (DOT) TO EACH PACKAGE OR CONTAINMENT DEVICE OFFERED FOR TRANSPORTATION OF A HAZARDOUS MATERIAL WHICH MEETS ONE OR MORE HAZARD CLASS DEFINITIONS IN ACCORDANCE WITH TITLE 49 CODE OF FEDERAL REGULATIONS (TITLE 49 CFR), PART 172, HAZARDOUS MATERIALS TABLE.

Reply Instructions: Enter the applicable numeric or alpha-numeric labeling requirements as appears in the DOT Title 49 CFR, Part 172, Hazardous Materials Table 172.101 and referenced paragraphs. For items requiring more than one label, enter the primary label first. (e.g., WLBLA1.2E*; WLBLA1.4G$$A8*)

ALL

SHPN A DOT PROPER SHIPPING NAME

APP Key	MRC	Mode Code	Requirements

Definition: THE PROPER SHIPPING NAME AS IDENTIFIED BY THE DEPARTMENT OF TRANSPORTATION (DOT) AND LISTED IN THE TITLE 49 CODE OF FEDERAL REGULATIONS (CFR), PART 172, HAZARDOUS MATERIALS TABLE.

Reply Instructions: Enter the applicable proper shipping name as identified in Title 49 CFR, Part 172, Hazardous Materials Table 172.101 and referenced paragraphs. (e.g., SHPNAAMMUNITION, PRACTICE*; SHPNAGRENADES, PRACTICE, HAND*)

ALL

DENN A DOT IDENTIFICATION NUMBER

Definition: THE IDENTIFICATION NUMBER ASSIGNED BY THE DEPARTMENT OF TRANSPORTATION (DOT) TO EACH PROPER SHIPPING NAME. IDENTIFICATION NUMBERS PRECEDED BY THE LETTERS "UN" ARE ASSOCIATED WITH INTERNATIONAL AS WELL AS DOMESTIC TRANSPORTATION AND THOSE PRECEDED BY THE LETTERS "NA" ARE NOT RECOGNIZED FOR INTERNATIONAL TRANSPORTATION OF HAZARDOUS MATERIALS (DANGEROUS GOODS) EXCEPT TO AND FROM THE UNITED STATES AND CANADA.

Reply Instructions: Enter the applicable alpha-numeric Identification Number assigned to the proper shipping name as appears in the Title 49 CFR , Part 172, Hazardous Materials Table 172.101 and referenced paragraphs. (e.g., DENNAUN2818*; DENNANA1549*)

ALL

DTRC A DOT REGISTRATION CODE

Definition: AN ALPHA-NUMERIC CODE ASSIGNED BY THE DEPARTMENT OF TRANSPORTATION IDENTIFYING THE FINAL HAZARD CLASSIFICATION.

Reply Instructions: Enter the applicable code furnished by DOT.

(e.g., DTRCAEX-9005634*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL *

PKTY D UNIT PACKAGE TYPE

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PKTYDACD*; PKTYDACD$DADD*)

REPLY CODE	REPLY (AN65)
ACD	BOX
ACX	CARTON
ADD	CASE
ADF	DISPENSER
AFL	PACKAGE

ALL

NAAC A AMMUNITION CODE

Definition: A SIGNIFICANT CODE CONSISTING OF A COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS ASSIGNED TO ITEMS OF SUPPLY IN FSG 13 AND 14. IDENTICAL CODES SIGNIFY FUNCTIONALLY INTERCHANGEABLE ITEMS FOR ISSUE AND USE.

Reply Instructions: Enter the code.

(e.g., NAACA1305-AA55*)

ALL *

AWJN J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS10.500*; AWJNJBA4.7*)

REPLY CODE	REPLY (AG67)

APP Key	MRC	Mode Code	Requirements
		BA	GRAMS
		AJ	KILOGRAMS
		AS	POUNDS

ALL

AGUC A UNIT PACKAGE QUANTITY

Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the quantity. (e.g., AGUCA100*)

Reply Tables

Table 1 - FILLER MATERIALS

FILLER MATERIALS

REPLY CODE	REPLY (AF45)
AB	AMATOL
BW	AMATOL 8/20 TRINITROTOLUENE
BX	AMMONIUM NITRATE
DE	BLACK POWDER
BY	COMPOSITION A 70 PCT, ALUMINUM POWDER 30 PCT
AM	COMPOSITION B
CA	COMPOSITION C-2
CB	COMPOSITION C-3
CC	COMPOSITION C-4
CD	COMPOSITION H-6
CE	COMPOSITION PETN
CF	COMPOSITION RDX
CG	CYCLOTRIMETHYLENE
CJ	CYCLOTRIMETHYLENE-TETRANITRAMINE
CH	CYCLOTRIMETHYLENE-TRINITRAMINE
CK	GRAPHITED 95/5 RDX/WAX
SP	HEXANITROSTILBENE, HNS TYPE 1, GRADE A
AV	ILLUMINATION COMPOSITION
EB	INCENDIARY MIXTURE
AX	INERT MATERIAL
CL	NITROGLYCERIN
CM	NITROGLYCERIN SENSITIZED
TM	NITROMETHANE
TN	NITROPARAFFIN
CN	NITROSTARCH
CP	PBRAB-1 W/GRIDS
KJ	*PBX – PLASTIC BONDED EXPLOSIVE*
CQ	PENTAERYTHRITE TETRANITRATE
BE	PENTOLITE
CR	*PETN*
CS	POLYETHYLENE W/STEEL INSERTS
CT	RDX
CW	RDX TYPE 1 CLASS C
CX	RUBBER PELLET
GE	SMOKE COMPOSITION
CY	SOAP
CZ	TETRANITRATE
ET	TETRYL
DA	TETRYTOL
BP	TRINITROTOLUENE, TNT

Table 2 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD

REPLY CODE	REPLY (AD08)
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

INCH TO DECIMAL OF A FOOT CONVERSION CHART

NOTE: For inches, select inches 0 through 11 from left to right top of chart, read decimal equivalent in column directly below.

Fraction of inch	INCHES											
	0	1	2	3	4	5	6	7	8	9	10	11
0	0.000	0.083	0.167	0.250	0.333	0.417	0.500	0.583	0.667	0.750	0.833	0.917
1/16	.005	.089	.172	.255	.339	.422	.505	.589	.672	.755	.839	.922
1/8	.010	.094	.177	.260	.344	.427	.510	.594	.677	.760	.844	.927
3/16	.016	.099	.182	.266	.349	.432	.516	.599	.682	.766	.849	.932
1/4	.021	.104	.188	.271	.354	.438	.521	.604	.688	.771	.854	.938
5/16	.026	.109	.193	.276	.359	.443	.526	.609	.693	.776	.859	.943
3/8	.031	.115	.198	.281	.365	.448	.531	.615	.698	.781	.865	.948
7/16	.037	.120	.203	.287	.370	.453	.537	.620	.703	.787	.870	.953
1/2	.042	.125	.208	.292	.375	.458	.542	.625	.708	.792	.875	.958
9/16	.047	.130	.214	.297	.380	.464	.547	.630	.714	.797	.880	.964
5/8	.052	.135	.219	.302	.385	.469	.552	.635	.719	.802	.885	.969
11/16	.057	.141	.224	.307	.391	.474	.557	.641	.724	.807	.891	.974
3/4	.063	.146	.229	.313	.396	.479	.563	.646	.729	.813	.896	.979
13/16	.068	.151	.234	.318	.401	.484	.568	.651	.734	.818	.901	.984
7/8	.073	.156	.240	.323	.406	.490	.573	.656	.740	.823	.906	.990
15/16	.078	.162	.245	.328	.412	.495	.578	.662	.745	.828	.912	.995

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

IDENTIFIED SECONDARY ADDRESS CODING

I/SAC FIELD INDICATOR	SHIPPING CONTAINER/PACKAGE
1B	AIR FORCE PALLET
1C	ARMY PALLET
1D	MARINES PALLET
1G	NAVY PALLET DOMESTIC
1H	NAVY PALLET FLEET
1F#	PALLET
1A	SHIPPING CONTAINER

HAZARD CLASSES AND DIVISIONS

CLASS 1 - EXPLOSIVES

DIVISION 1.1 - Explosives with a mass explosion hazard.

DIVISION 1.2 - Explosives with a projection hazard.

DIVISION 1.2.1 - Non-mass explosion, fragment producing. Items with a net explosive weight of more than 1.6 pounds (726 grams) per item.

DIVISION 1.2.2 - Non-mass explosion, fragment producing. Items with a net explosive weight of 1.6 pounds (726 grams) or less per item.

DIVISION 1.3 - Explosives with predominantly a fire hazard.

DIVISION 1.4 - Explosives with no significant blast hazard.

DIVISION 1.5 - Very insensitive expolsives; blasting agents.

DIVISION 1.6 - Extremely insensitive detonating articles.

CLASS 2 - GASES

DIVISION 2.1 - Flammable gases.

DIVISION 2.2 - Non-flammable, non-toxic* compressed gases.

DIVISION 2.3 - Gases toxic* by inhalation.

DIVISION 2.4 - Corrosive gases (Canada).

CLASS 3 - FLAMMABLE LIQUIDS (AND COMBUSTIBLE LIQUIDS U.S.)

CLASS 4 - FLAMMABLE SOLIDS; SPONTANEOUSLY COMBUSTIBLE MATERIALS; AND DANGEROUS WHEN WET MATERIALS

DIVISION 4.1 - Flammable solids.

DIVISION 4.2 - Spontaneously combustible materials.

DIVISION 4.3 - Dangerous when wet materials.

CLASS 5 - OXIDIZIERS AND ORGANIC PEROXIDES

DIVISION 5.1	- Oxidizers.
DIVISION 5.2	- Organic Peroxides.
CLASS 6 - TOXIC* MATERIALS AND INFECTIOUS SUBSTANCES	
DIVISION 6.1	- Toxic* materials.
DIVISION 6.2	- Infectious substances.
CLASS 7 - RADIOACTIVE MATERIALS	
CLASS 8 - CORROSIVE MATERIALS	
CLASS 9 - MISCELLANEOUS DANGEROUS GOODS	
DIVISION 9.1	- Miscellaneous dangerous goods (Canada).
DIVISION 9.2	- Environmentally hazardous substances (Canada).
DIVISION 9.3	- Dangerous wastes (Canada).

* The words "poison" or "poisonous" are synonymous with the word "toxic".

STORAGE COMPATIBILITY GROUP CODES

GROUP	EXPLANATION
A	Substances which are expected to mass detonate very soon after fire reaches them.
B	Articles which are expected to mass detonate very soon after fire reaches them.
C	Substances or articles which may be readily ignited and burn violently without necessarily exploding.
D	Substances or articles which may mass detonate (with blast and/or fragment hazard) when exposed to fire.
E, F	Articles which may mass detonate in a fire.
G	Substances and articles which may mass explode and give off smoke or toxic gases.
H	Articles which in a fire may eject hazardous projectiles and dense white smoke.
J	Articles which may mass explode.
K	Articles which in a fire may eject hazardous projectiles and toxic gases.
L	Substances and articles which present a special risk and could be activated by exposure to air or water.
N	Articles which contain only extremely insensitive detonating substances and demonstrate a negligible probability of accidental ignition or propagation.
S	Packaged substances or articles which, if accidentally initiated, produce effects that are ususally confined to the immediate vicinity.

LOADING AND STOWAGE CHART FOR TRANSPORTATION OF EXPLOSIVES AND OTHER HAZARDOUS MATERIALS

NOTES a. Unless loaded on separate nonadjacent 463L aircraft pallets, acids, or other corrosive liquids must not be loaded with flammable solids, oxidizers, ammunition for cannot with/without projectiles or propellant explosives. b. Explosives Class A, and explosives class B must not be

loaded or stored with chemical ammunition containing incendiary charges or white phosphorous either with or without bursting charges. c. Does not include nitrocarbonitrate, or ammonium nitrate, fertilizer grade, which may be loaded and transported with high explosives or with bursting caps, electric blasting caps and detonating primers. d. Missile Class III cargo shall not be loaded on the same aircraft with any other hazardous materials. e. Normal uranium, depleted uranium, and thorium metal in solid form may also be loaded and transported with articles names on vertical and horizontal columns 1, 2, 3, 4, 5, 6, and 7. f. Charged electric storage batteries must not be loaded in the same aircraft with any Class A explosive. g. Cyanides or Cyanide mixtures must not be loaded or stored with corrosive materials. h. Gas identification sets may be loaded and transported with all articles named except those in column 3. i. Nitric acid, when loaded in the same aircraft with acids or other corrosive material in carboys, must be separated from the other carboys. j. Other hazardous articles, exempt from labeling requirements of this manual, may be loaded and transported with all other articles except as provided in notes a and f through i above. k. When material has not been drained and purged and fuel is in the system, it will be loaded and transported as a flammable liquid, L/S Group 18.

Class A Explosives								Class B Explosives		Class C Explosives							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Other Hazardous Articles																	
	18	19	20	21	22	23	24	25	26	27	28						

L/S GROUP	CLASS A EXPLOSIVES
1	Low explosives or black powder.
2	High explosives or propellant explosives, Class A.
3	Initiating or priming explosives, wet: Diazodinitrophenol, fulminate of mercury guanyl nitrosamino guanylidene hydrazine, lead azide, lead

	styphnate, nitro mannite, nitrosoguanidine, pentaerythrite tetranitrate, terazene.
4	Blasting caps-over 1,000, with or without safety fuze, (including electric blasting caps) detonating primers.
5	Ammunition for cannon with explosive projectiles, gas projectiles, smoke projectiles, incendiary projectiles, illuminating projectiles, or shell, ammunition for small arms with explosive bullets, or ammunition for small arms with explosive projectiles or rocket ammunition with explosive projectiles, gas projectiles, smoke projectiles, incendiary projectiles, illuminating projectiles b, booster or bursters. b
6	Explosive projectiles, bombs, torpedoes, or mines; rifle or

	hand grenades (explosive); jet thrust units (JATO), explosive, Class A, or igniters; jet thrust (JATO), explosive, Class Ab; rocket motors, Class A; igniters, rocket motor, Class A. b
7	Detonating fuzes, Class A, with or without radioactive components.

L/S GROUP	CLASS B EXPLOSIVES
8	Ammunition for cannon with empty, inert-loaded or solid projectiles; or without projectiles; or rocket ammunition with empty projectiles; inert-loaded or solid projectiles or without projectiles.
9	Propellant explosives, Class B; rocket engines (liquid), Class B; rocket motor, Class B; igniter, rocket motor, Class B; jet thrust units (JATO), Class B; igniters, jet thrust (JATO)

	Class B; starter cartridges, jet engines, Class B; igniter, ramjet engines; or explosive power devices, Class B.
10	Fireworks, special, or railway torpedoes.

L/S GROUP	CLASS C EXPLOSIVES
11	Small arms ammunition.
12	Primers for cannon or small arms; empty cartridge bags black powder igniters; empty cartridge cases, primed; empty grenades primed; combination primers; percussion caps; toy caps; explosive cable cutters; explosive power devices; explosive rivets; starter cartridge, jet engine, Class C; actuating cartridges.
13	Percussion fuzes, tracer fuzes or tracers.
14	Time combination or detonating fuzes, Class C.
15	Cordeau detonant fuze, safety squibs,

	fuze lighters, fuze igniters, delay electric igniters, electric squibs, instantaneous fuze, or igniter cord.
16	Fireworks, common; flares; or signals.
17	Blasting caps-1,000 or less, with or without safety fuze (including electric blasting caps).

L/S GROUP	ARTICLES
18	Flammable liquids or compressed flammable gases.
19	Flammable solids or oxidizing materials.
20	Corrosive materials. a,f,i
21	Compressed nonflammable gases.
22	Poisonous gases or liquids, Class A poisons.h
23	Etiologic agents/biological research material.
24	Poisonous liquids or solids, Class B poison.g
25	Irritating material.
26	Radioactive materials. d
27	Engines and motors (internal

	combustion); aerospace ground equipment; and self-propelled vehicles.k																	
28	Materials not otherwise regulated.																	
Class A	1			X							X						X	
	2		X	X			X			X						X	X	
	3	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	4		X	X		X	X			X						X		
	5			X	X			X			X					X	X	
	6			X	X			X			X					X	X	
	7		X	X		X	X				X					X		
Class B	8			X														
	9			X														
	10	X	X	X	X	X	X											
Class C	11			X														
	12			X														
	13			X														
	14			X														
	15			X														
	16	X	X	X	X	X	X											
	17		X	X		X	X											
	18		X	X	X	X	X	X	X									
HA	19		X	X	X	X	X	X	X									
AR	20		X	X	X	X	X	X	X	X	X							
OZT	21																	
TAI	22		X	X	X	X	X	X	X	X	X	X					X	X
HRC	23		X	X	X	X	X	X	X	X	X	X					X	X
EDL	24																	X
ROE	25		X	X	X	X	X	X	X									X
US	26		X	X	X	X	X	X	X									X
S	27				X													
	28																	
Class A	1		X	X	X		X	X		X	X							

2	X		X	X		X	X		X	X	
3	X		X	X		X	X		X	X	X
4	X		X	X		X	X		X	X	
4	X		X	X		X	X		X	X	
6	X		X	X		X	X		X	X	
7	X		X	X		X	X		X	X	
Class B	8				X		X	X			
	9			X		X	X				
	10					X	X				
Class C	11										
	12										
	13										
	14										
	15										
	16					X	X				
	17					X	X	X	X	X	
	18			X			X	X			
HA	19		X		X		X	X			
AR	20			X			X	X			
OZT	21										
TAI	22		X	X	X						
HRC	23		X	X	X						
EDL	24										
ROE	25										
US	26										
S	27										
	28										

The table below shows the explosives and other hazardous articles which must not be loaded or stored together. The letter X at an intersection of horizontal and vertical columns show that these articles must not be loaded or stored together, for example; Detonating Fuzes, Class A, with or without radioactive components, 7 horizontal column must not be loaded or stored with high explosives, Class A, 2 vertical column. The following codes apply to the table below.

HAZARD SYMBOL CODE

CODE	EXPLANATION

A	WEAR FULL PROTECTIVE CLOTHING, SET 1
B	WEAR FULL PROTECTIVE CLOTHING, SET 2
C	WEAR FULL PROTECTIVE CLOTHING, SET 3
D	WEAR BREATHING APPARATUS
E	APPLY NO WATER

INHABITED BUILDING DISTANCE

CODE	EXPLANATION
(00)	PROCEED WITH CAUTION
(02)	200 FEET
(04)	400 FEET
(07)	700 FEET
(08)	800 FEET
(09)	900 FEET
(12)	1200 FEET
(18)	1800 FEET
(21)	2100 FEET

FIIG Change List

FIIG Change List, Effective January 1, 2010

Remove "ALL EXCEPT USA" from DUMMY CORD, DETONATING (INC 36348).

Add Reply Code KJ "PBX Plastic Bond Explosive" to Appendix A Table 1.